



General Assembly

January Session, 2003

Raised Bill No. 894

LCO No. 3146

Referred to Committee on Energy and Technology

Introduced by:
(ET)

AN ACT CONCERNING MINIMUM ENERGY EFFICIENCY STANDARDS.

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Section 16a-48 of the general statutes is repealed and the
2 following is substituted in lieu thereof (*Effective July 1, 2003*):

3 (a) As used in this section:

4 (1) "Commissioner" means the Commissioner of Consumer
5 Protection;

6 (2) "Fluorescent lamp ballast" or "ballast" means a device designed
7 to operate fluorescent lamps by providing a starting voltage and
8 current and limiting the current during normal operation, but does not
9 include such devices that have a dimming capability or are intended
10 for use in ambient temperatures of zero degrees Fahrenheit or less or
11 have a power factor of less than sixty-one hundredths for a single
12 F40T12 lamp;

13 (3) "F40T12 lamp" means a tubular fluorescent lamp that is a
14 nominal forty-watt lamp, with a forty-eight-inch tube length and one

15 and one-half inches in diameter;

16 (4) "F96T12 lamp" means a tubular fluorescent lamp that is a
17 nominal seventy-five-watt lamp with a ninety-six-inch tube length and
18 one and one-half inches in diameter;

19 (5) "Luminaire" means a complete lighting unit consisting of a
20 fluorescent lamp, or lamps, together with parts designed to distribute
21 the light, to position and protect such lamps, and to connect such
22 lamps to the power supply;

23 (6) ["New appliance"] "New product" means [an appliance] a
24 product that is sold, offered for sale, or installed for the first time and
25 specifically includes floor models and demonstration units;

26 (7) "Secretary" means the Secretary of the Office of Policy and
27 Management;

28 (8) "State Building Code" means the building code adopted
29 pursuant to section 29-252;

30 (9) "Torchiere lighting fixture" means a portable electric lighting
31 fixture with a reflector bowl giving light directed upward so as to give
32 indirect illumination;

33 (10) "Unit heater" means a self-contained fan-type heater that uses
34 natural gas, propane or fuel oil that is designed to be installed within
35 the heated space. "Unit heater" includes an apparatus or appliance to
36 supply heat, and a fan for circulating air over a heat exchange surface,
37 all enclosed in a common casing. "Unit heater" does not include "warm
38 air furnaces", as defined in the federal Energy Policy Act of 1992;

39 (11) "Transformer" means a device consisting of two or more coils of
40 insulated wire that transfers alternating current by electromagnetic
41 induction from one coil to another in order to change the original
42 voltage or current value;

43 (12) "Low-voltage dry-type transformer" means a transformer that:
44 (A) Has an input voltage of 600 volts or less; (B) is between 14 kilovolt-
45 amperes and 2,501 kilovolt-amperes in size; (C) is air-cooled; and (D)
46 does not use oil as a coolant;

47 (13) "Pass-through cabinet" means a refrigerator or freezer with
48 hinged or sliding doors on both the front and rear of the refrigerator or
49 freezer;

50 (14) "Reach-in cabinet" means a refrigerator, freezer, or combination
51 thereof, with hinged or sliding doors or lids;

52 (15) "Roll-in" or "roll-through cabinet" means a refrigerator or
53 freezer with hinged or sliding doors that allows wheeled racks of
54 product to be rolled into or through the refrigerator or freezer;

55 (16) "Commercial refrigerators and freezers" means reach-in
56 cabinets, pass-through cabinets, roll-in cabinets and roll-through
57 cabinets that have less than eighty-five feet of capacity. "Commercial
58 refrigerators and freezers" does not include walk-in models or
59 consumer products regulated under the federal National Appliance
60 Energy Conservation Act of 1987;

61 (17) "Digital cable television box" means a device that acts as a tuner
62 for cable television programming that converts digital signals received
63 from a cable service provider to a signal usable by a television set;

64 (18) "Digital television converter box" means a device that receives
65 and decodes digital signals for display by an analog television set;

66 (19) "Wireless television receiver" means a device used in
67 conjunction with a dish antenna to receive satellite or other wireless
68 television;

69 (20) "Set-top box" means a digital cable television box, wireless
70 television receiver or digital television converter box;

71 (21) "Ceiling fan" means a nonportable device that is suspended
72 from a ceiling for circulating air via the rotation of fan blades;

73 (22) "Ceiling fan light kit" means the equipment used to provide
74 light from a ceiling fan, including integral equipment such that the
75 ceiling fan light kit is hardwired to the ceiling fan or attachable
76 equipment such that the light kit is not initially physically attached to
77 the fan;

78 (23) "Traffic signal module" means a standard eight-inch or twelve-
79 inch round traffic signal indication consisting of a light source, lens
80 and all parts necessary for operation and communicates movement
81 messages to drivers through red, amber and green colors;

82 (24) "Illuminated exit sign" means an internally illuminated sign that
83 is designed to be permanently fixed in place and used to identify an
84 exit. A light source illuminates the sign or letters from within, and the
85 background of the exit sign is not transparent;

86 (25) "Packaged air-conditioning equipment" means air-conditioning
87 equipment that is built as a package and shipped as a whole to end-
88 user sites;

89 (26) "Large packaged air-conditioning equipment" means packaged
90 air-conditioning equipment having not less than 240,000 BTUs per
91 hour of cooling capacity;

92 (27) "Commercial clothes washer" means a soft mount front-loading
93 or soft mount top-loading clothes washer that is designed for use in
94 (A) applications where the occupants of more than one household will
95 be using it, such as in multi-family housing common areas and coin
96 laundries; or (B) other commercial applications, if the clothes container
97 compartment is no greater than 3.5 cubic feet for horizontal-axis
98 clothes washers, or no greater than 4.0 cubic feet for vertical-axis
99 clothes washers.

100 (b) The provisions of this section apply to the testing, certification

101 and enforcement of efficiency standards for the following types of new
 102 [appliances] products sold, offered for sale or installed in the state: (1)
 103 [Fluorescent ballasts for F40T12 and F96T12 lamps; (2) luminaires with
 104 fluorescent ballasts for F40T12 and F96T12 lamps; (3) showerheads]
 105 Ceiling fans and ceiling fan light kits; (2) commercial clothes washers;
 106 (3) commercial refrigerators and freezers; (4) illuminated exit signs; (5)
 107 large packaged air-conditioning equipment; (6) low voltage dry-type
 108 distribution transformers; (7) set-top boxes; (8) torchiere lighting
 109 fixtures; (9) traffic signal modules; (10) unit heaters; and (11) any other
 110 products as may be designated by the commissioner in accordance
 111 with subdivision (4) of subsection (d) of this section.

112 (c) The provisions of this section do not apply to (1) new
 113 [appliances] products manufactured in the state and sold outside the
 114 state, (2) new [appliances] products manufactured outside the state
 115 and sold at wholesale inside the state for final retail sale and
 116 installation outside the state, (3) [appliances] products installed in
 117 mobile manufactured homes at the time of construction, or (4)
 118 [appliances] products designed expressly for installation and use in
 119 recreational vehicles.

120 (d) (1) Not later than July 1, [1988] 2004, the secretary, in
 121 consultation with the commissioner, shall adopt regulations, in
 122 accordance with the provisions of chapter 54, [establishing] to
 123 implement the provisions of this section and to establish minimum
 124 energy efficiency standards for the types of new [appliances] products
 125 set forth in subsection (b) of this section. [The regulations may provide
 126 such efficiency standards for various categories and types of such new
 127 appliances as the secretary shall determine and may establish new or
 128 increased efficiency standards to become effective on and after January
 129 1, 1990.] The regulations shall provide for the following minimum
 130 energy efficiency standards: (A) Ceiling fans and ceiling light kits shall
 131 meet the Tier 1 criteria of the version 1.1 product specification of the
 132 "Energy Star Program Requirements for Residential Ceiling Fans"
 133 developed by the United States Environmental Protection Agency; (B)

134 commercial clothes washers shall meet the requirements shown in
 135 Table P-3 of section 1605.3 of the California Code of Regulations, Title
 136 20: Division 2, Chapter 4, Article 4; (C) commercial refrigerators and
 137 freezers shall meet the August 1, 2004, requirements shown in Table A-
 138 6 of said California regulation; (D) illuminated exit signs shall meet the
 139 version 2.0 product specification of the "Energy Star Program
 140 Requirements for Exit Signs" developed by the United States
 141 Environmental Protection Agency; (F) large packaged air-conditioning
 142 equipment shall meet the Tier 2 efficiency levels of the "Minimum
 143 Equipment Efficiencies for the Unitary Commercial Air Conditioners"
 144 and "Minimum Equipment Efficiencies for Heat Pumps" developed by
 145 the Consortium for Energy Efficiency that took effect on July 1, 2002;
 146 (G) low voltage dry-type distribution transformers shall meet or
 147 exceed the energy efficiency values shown in Table 4-2 of the National
 148 Electrical Manufacturers Association Standard TP-1-2002; (H) set-top
 149 boxes shall meet the Tier 2 criteria of the product specification of the
 150 United States Environmental Protection Agency's "Energy Star
 151 Program Requirements for Set-top Boxes" that took effect on January 1,
 152 2001; (I) torchiere lighting fixtures shall not consume more than 190
 153 watts and shall not be capable of operating with lamps that total more
 154 than 190 watts; (J) traffic signal modules shall meet the product
 155 specification of the "Energy Star Program Requirements for Traffic
 156 Signals" developed by the United States Environmental Protection
 157 Agency that took effect in February, 2001; (K) unit heaters shall not
 158 have pilot lights and shall have either power venting or an automatic
 159 flue damper.

160 (2) Such regulations shall, at a minimum, establish efficiency
 161 standards set forth in the Model Legislation for Establishing State
 162 Appliance and Equipment Energy Efficiency Standards that is based
 163 on Energy Star and federal Energy Management Program
 164 specifications, as set forth in subdivision (1) of this subsection.

165 (3) Such efficiency standards, where in conflict with the State
 166 Building Code, shall take precedence over the standards contained in

167 the Building Code. [After July 1, 1988] Not later than July 1, 2006, and
168 biennially thereafter, the secretary, in consultation with the
169 commissioner, [may] shall review and increase the level of such
170 efficiency standards upon a determination that increased efficiency
171 standards would serve to promote energy conservation in the state and
172 would be cost-effective for consumers who purchase and use such new
173 [appliances] products, provided no such increased efficiency standards
174 shall become effective within one year following the adoption of any
175 amended regulations providing for such increased efficiency
176 standards. [The secretary, in consultation with the commissioner, may
177 adopt such further regulations as necessary to implement the
178 provisions of this section.]

179 (4) The secretary, in consultation with the commissioner, may adopt
180 regulations to designate additional products to be subject to the
181 provisions of this section and to establish efficiency standards for such
182 products.

183 (e) On or after July 1, [1988] 2004, no new [appliance] product of a
184 type set forth in subsection (b) of this section or designated by the
185 commissioner may be sold, offered for sale, or installed in the state
186 unless the energy efficiency of the new [appliance] product meets or
187 exceeds the efficiency standards set forth in such regulations adopted
188 pursuant to subsection (d) of this section.

189 (f) The commissioner, in consultation with the secretary, shall adopt
190 procedures for testing the energy efficiency of the new [appliances
191 covered by] products set forth in subsection (b) of this section or
192 designated by the commissioner if such procedures are not provided
193 for in the State Building Code. The commissioner shall use United
194 States Department of Energy approved test methods, or in the absence
195 of such test methods, other appropriate nationally recognized test
196 methods. The manufacturers of such [appliances] products shall cause
197 samples of such [appliances] products to be tested in accordance with
198 the test procedures adopted pursuant to this subsection or those

199 specified in the State Building Code.

200 (g) Manufacturers of new [appliances covered by] products set forth
 201 in subsection (b) of this section or designated by the commissioner
 202 shall certify to the commissioner that such [appliances] products are in
 203 compliance with the provisions of this section. The commissioner, in
 204 consultation with the secretary, shall promulgate regulations
 205 governing the certification of such [appliances] products and shall
 206 publish an annual list of such [appliances] products.

207 (h) The commissioner shall cause periodic inspections to be made of
 208 distributors or retailers of new [appliances covered by] products set
 209 forth in subsection (b) of this section or designated by the
 210 commissioner in order to determine compliance with the provisions of
 211 this section. The commissioner shall cause investigations to be made of
 212 complaints received concerning violations of this section and shall
 213 report the results of such investigations to the Attorney General. The
 214 Attorney General may institute proceedings to enforce the provisions
 215 of this section. Any person who violates any provision of this section
 216 shall be subject to a civil penalty of not more than two hundred fifty
 217 dollars. Each violation of this section shall constitute a separate
 218 offense, and each day that such violation continues shall constitute a
 219 separate offense.

This act shall take effect as follows:	
Section 1	July 1, 2003

Statement of Purpose:

To require the Commissioner of Consumer Protection to adopt regulations establishing minimum energy efficiency standards for certain products.

[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]